

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

INDIAN INSTITUTE OF SCIENCE CAMPUS, BENGALURU

FACULTY PROJECT PROGRAMME (FPP): 2022-23

Details of projects supported under Faculty Project Programme

Project Reference Number	PROJECT TITLE	BRANCH	NAME OF THE COLLEGE	NAME OF THE FACULTY	RECOMMENDED BUDGET BY KSCST	DURATION OF THE PROJECT
FPP_002	EVALUATION OF METAL CONTAMINATION RISK OF GROUND ANDND SURAFCE WATER NEAR MUNICIPAL SOLID WASTE DUPING SITE AREA MANGALORE: OVERVIEW OF POLLUTION INDICES WITH RISK ASSESSMENT AND APPLICATION OF LOW-COST WATER FILTER	CIVIL ENGINEERING	A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, MANGALURU	MR. NITESH	50,000.00	6 MONTHS
FPP_006	AUTOMATED SUGARCANE PLANTATION EQUIPMENT	MECHANICAL ENGINEERING	B.L.D.E.A'S V.P DR P.G.HALAKATTI COLLEGE OF ENGINEERING AND TECHNOLOGY, VIJAYAPURA	DR. SAMEER S KULKARNI	1,00,000.00	6 MONTHS
FPP_014	DEVELOPMENT OF BIO-MEDICAL WASTE INCINERATOR BY USING ELECTROMAGNETIC INDUCTION	MECHANICAL ENGINEERING	BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANAGERE	DR. S. KUMARAPPA	3,40,000.00	9 MONTHS
FPP_019	INTELLIGENT HEXAPOD SYNCHRONIZED WASTE COLLECTION SYSTEM	INFORMATION SCIENCE AND ENGINEERING	BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANAGERE	MR. SHEIK IMRAN MS. HEMASHREE H C	3,15,000.00	12 MONTHS
FPP_024	SAHARA-MEANS OF COMMUNICATION BETWEEN VISUAL, HEARING AND SPEECH IMPAIRED INDIVIDUALS	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	DAYANANDA SAGAR COLLEGE OF ENGINEERING	DR. A. R. ASWATHA DR. SMITHA SASI	1,40,000.00	9 MONTHS
FPP_031	DEVELOPMENT OF A LOW-COST FUNCTIONAL STACK AND INCORPORATION OF PHOTOCATALYSIS-DERIVED COLUMN FOR WATER PURIFICATION	BIOTECHNOLOGY	DAYANANDA SAGAR COLLEGE OF ENGINEERING	DR. BLESSY BABY MATHEW MS. BHANU REVATHI K	90,000.00	9 MONTHS
FPP_038	PORTABLE CO-PYROLYSIS MACHINE: CONVERSION OF PERSONAL PROTECTIVE EQUIPMENT (PPE) TO LIQUID FUEL	BIOTECHNOLOGY	GARDEN CITY UNIVERSITY	DR. VANITHA KRISHNA SUBBAIAH DR. RAMA CHANDRA PRASAD L.A.	2,80,000.00	5 MONTHS
FPP_042	DESIGN AND FABRICATION OF VERTICAL TAKEOFF AND LANDING (VTOL) UAV USED FOR SURVEILLANCE	MECHANICAL ENGINEERING	JAIN COLLEGE OF ENGINEERING, BELAGAIVI	DR. ANAND K. HOSAMANI DR. ANIL. SHIRAHATTI	58,000.00	4 MONTHS
FPP_047	DEVELOPING NOVEL SHEEP WOOL AND CHICKEN FEATHER COMPOSITES FOR INSULATION APPLICATIONS	MECHANICAL ENGINEERING	JYOTHY INSTITUTE OF TECHNOLOGY, BENGALURU	DR. NARENDRA REDDY DR. C B MOHAN	1,90,000.00	12 MONTHS

Project Reference Number	PROJECT TITLE	BRANCH	NAME OF THE COLLEGE	NAME OF THE FACULTY	RECOMMENDED BUDGET BY KSCST	DURATION OF THE PROJECT
FPP_064	DEVELOPMENT OF LACTIC ACID BACTERIAL EXOPOLYSACCHARIDE RICH FERMENTED MILK WHEY BASED FUNCTIONAL BEVERAGE	BIOTECHNOLOGY	N.M.A.M. INSTITUTE OF TECHNOLOGY, NITTE	MS. VIDYA S.M. MS. LOUELLA CONCEPTA GOVEAS	1,80,000.00	12 MONTHS
FPP_072	DESIGN, DEVELOPMENT OF ADVANCED MULTIDRIVE MOBILE ROBOT FOR DEFENSE AND RECONNAISSANCE APPLICATION	MECHANICAL ENGINEERING	NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU	MR. PRASHANTH N DR. SUDHEER REDDY J	1,50,000.00	9 MONTHS
FPP_091	SENSOR BASED DEVICE FOR PREDICTING MOISTURE CONTENT OF AGRICULTURAL FIELD AND SAFE BEARING CAPACITY OF SOIL	CIVIL ENGINEERING	SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, UDUPI	MR. SUNIL HALDANKAR DR. SACHIN S BHAT	1,25,000.00	6 MONTHS
FPP_092	AUTOMATION OF MINI PORTABLE BIODIESEL PRODUCTION UNIT	MECHANICAL ENGINEERING	SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU	DR. B R OMKARESH	2,40,000.00	9 MONTHS
FPP_097	AUTOMATED RUBBER TAPPING & RUBBER MILK MIXING MACHINE	ELECTRONICS AND COMMUNICATION ENGINEERING	St. JOSEPH ENGINEERING COLLEGE, MANGALURU	MS. DEEPTHI S R	45,000.00	8 MONTHS
FPP_099	DESIGN AND FABRICATION OF COMBINED WHEELCHAIR AND BED	MECHANICAL ENGINEERING	St. JOSEPH ENGINEERING COLLEGE, MANGALURU	MR. YATHISH KUMAR K DR. BINNU K G	60,000.00	8 MONTHS
FPP_113	DEVELOPMENT OF AN ANTIMICROBIAL LOCK THERAPY SOLUTION FOR CONTROL OF CANDIDA ALBICANS UNDER FLOW CONDITIONS	BIOTECHNOLOGY	RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU	DR. BINDU S	4,50,000.00	12 MONTHS